

18

UNIVATION TECHNOLOGIES

REFERENCE:

SUBJECT: BMC 200 G-1750 February 2007

DATA BY: CH/Man

DATE: April 19, 2007 PROJECT NO.:

SUPERVISED BY:

LCM Compounding: Sample 1163-18-1 BK

0.1	%	I _{ry}	1010
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0.1%	Intensity	168
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0.05%	Ca St
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6.5%	0092	Master
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Compounded approximately 20,000 lb.

Granular feedstock: (DBX-4606 H

} Part 1 Bin 853

2/15/07

One gaylord compounded natural on ZSK-40 1163-R-1

[illegible]

coreID	depth	Date	sampleID	Mn_L	Mw_L	DI_L	Mn_H	Mw_H	DI_H	spEt	spread	Mn	Mw	Mz	Mz+1	DI
1165-11-137	1607g17 (H)	2/15/07 7:13	603177	6,204	24,357	3.9	116,494	549,914	4.7	52.5	22.6	13.341	312,250	1,850,896	4,360,273	23.4
1165-11-408	1607g17 (H)	2/15/07 9:30	603468	8,343	25,466	3.0	125,552	564,430	4.5	51.0	22.2	15.319	303,816	1,574,918	2,965,115	19.8

S-4 Rapid Crack Propagation Testing

250 Mm Pipe S-4 Test - Bechtel Report No. 8262

$P_c \gg 10 \text{ bars}$

critical pressure tested at 0°C

4 inch SDR11 Pipe S-H Test - Jama Labs Project 07-3679 Final Report

$$T_c = -13^\circ\text{C}$$

Critical temperature T_c tested at pressure of 5 bars

Notched Pipe Slow Crack Growth

Per ISO 13479 80°C/9.2 bars

Jany Lab's Report 07-3701

mean failure time: 3,672 hrs

Table 2: Summary of Notched Pipe Test Results

Specimen ID	Client Sample ID	Test Time (hours)	Average Test Time* (hours)	Status	ISO 13478:1997(E) Requirement (Minimum Failure Time 165 hr)
07-1065-01	18-1	4.201	3,672 ± 336	SQ Failure	Pass
07-1065-02		3.687		SK Failure	Pass
07-1065-03		3.330		SK Failure	Pass

* Adjusted Average result \pm 1 standard deviation

WITNESSED AND UNDERSTOOD BY

DATE _____